PTO-1390 (Rev. 07-2005)
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TRANSMITTAL LETTER TO THE UNITED STATES ATTORNEY'S DOCKET NUMBER				
DESIGNATED/ELECTED OFFICE (DO/EO/US) 22727/04398 U.S. APPLICATION NO. (If known, see 37 CFR 1.5				
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371				
INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED 22 Nov 2004 26 Nov 2003				
TITLE OF INVENTION Polymorphic CD24 Genotypes That Are Predictive of Multiple Sclerosis Risk and				
APPLICANT(S) FOR DO/EO/US Progression				
The Ohio State University Research Foundation Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
Γ♥1				
This is a Fire F submission of items concerning a submission under 55 5.5.5. 571.				
2. L_J This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.				
3. X This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.				
4. X The US has been elected (Article 31).				
5. X A copy of the International Application as filed (35 U.S.C. 371(c)(2))				
a. is attached hereto (required only if not communicated by the International Bureau).				
b. has been communicated by the International Bureau.				
c. is not required, as the application was filed in the United States Receiving Office (RO/US).				
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).				
a. is attached hereto.				
b. has been previously submitted under 35 U.S.C. 154(d)(4).				
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))				
a. are attached hereto (required only if not communicated by the International Bureau).				
b. have been communicated by the International Bureau.				
c. have not been made; however, the time limit for making such amendments has NOT expired.				
d. X have not been made and will not be made.				
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).				
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).				
An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S C. 371(c)(5)).				
Items 11 to 20 below concern document(s) or information included:				
11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.				
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.				
13. A preliminary amendment.				
An Application Data Sheet under 37 CFR 1.76				
15. A substitute specification.				
16. X A power of attorney and/or change of address letter.				
A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.				
A second copy of the published International Application under 35 U.S C. 154(d)(4).				
8. L. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 9. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).				

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 Page 1 of 3

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The following fees have been submitted 21. Basic national fee (37 CFR 1.492(a)) 22. Examination fee (37 CFR 1.492(a)) 23. Search fee (37 CFR 1.492(b)) 15 the written opinion prepared by ISA/US or the international preliminary examination report prepared by ISA/US or the international preliminary examination report prepared by ISA/US or the international preliminary examination report prepared by ISA/US or the international preliminary examination report prepared by ISA/US or the international preliminary examination report prepared by ISA/US indicates at inclaims satisfy provisions of PCT Article 33(1)-(4)	U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO. PCT/US2004/039391		ATTORNEY'S DOCKET NUMBER 22727/04398		
The following fees have been submitted 21. Basic national fee (37 CFR 1.492(e)) 22. Examination fee (37 CFR 1.492(e)) 13. White written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)				101/082004/03	7371	22727704370	
21. Search late (37 CFR 1.492(a))	20. Other	items or information	on:				
21. Search late (37 CFR 1.492(a))							
21. Search late (37 CFR 1.492(a))							
22. Examination fee (37 CFR 1.492(b)) If the written opinion prepared by ISAUUS or the international preliminary examination report prepared by IPEAUS indicates all claims satisfy provisions of PCT Article 33(1)-(4)	The foll	owing fees have b	een submitted			CALCULATIONS	PTO USE ONLY
### Total claims Number of teach additional 50 sheets Number of teach additional 50 sheets Surcharge of \$130.00 for furnishing any of the search (see, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(b)) ### Total claims Number of teach additional 50 sheets Number of teach additional 50 sheets Number of the search of the respondent claims 10 - 3 = 7	21. 🔼 Basi	ic national fee (37	CFR 1.492(a))		\$300	\$ 300	
by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	22. 🔻 Examination fee (37 CFR 1.492(c))						
All other situations						\$ O	
If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Articls 33(1)-(4)							
IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	23. 🛣 Sea	rch fee (37 CFR 1	.492(b))				
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB							
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB. \$400 All other situations. \$500 TOTAL OF 21, 22 and 23 = 300 Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(l)). The fee's \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets	Search fee (37 C	FR 1.445(a)(2)) ha	as been paid on th	e international application to	he USPTO as an	\$ 0	
TOTAL OF 21, 22 and 23 = 300 Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets	International Sea	rch Report prepar	ed by an ISA othe	r than the US and provided to	the Office or		
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(ji)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction thereof. Total Claims Number FileD Number extra RATE \$ Total claims 18 - 20 = 0							
sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction thereof. RATE **Total Sheets Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 18		TOTAL OF 21, 22	2 and 23 =	100 - h h - / - /	-1	300	
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after the date of commencement of the national stage (37 CFR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 18 -20 = 0					<u> </u>	\$	
Total claims 18 -20 = 0					oath or declaration	\$	
Independent claims 10 -3 = 7 x \$200 \$1400 MULTIPLE DEPENDENT CLAIM(S) (if applicable) +\$360 \$360 TOTAL OF ABOVE CALCULATIONS = \$2060 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$1030 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$1030 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$1030 Amount to be refunded: \$1030	CLAIMS	NUMB	ER FILED	NUMBER EXTRA	RATE	\$	
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refunded: \$\\\^\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				\$1030			
1 \$1030					\$		
							\$1030

a. A check in the amount of \$ to cover the above				
b. Please charge my Deposit Account No. 03-0172 in the amount of \$_A duplicate copy of this sheet is enclosed.	Please charge my Deposit Account No. $\frac{03-0172}{1030.00}$ in the amount of \$ $\frac{1030.00}{1000}$ to cover the above fees.			
c. The Commissioner is hereby authorized to charge any additional fees which Account No. $0.3-0.172$. A duplicate copy of this sheet is enclosed.	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. $\frac{0.3-0.172}{0.2}$. A duplicate copy of this sheet is enclosed.			
	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.			
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.				
	N.			
SEND ALL CORRESPONDENCE TO:				
Customer No. 24024	SIGNATURE			
	Diane H. Dobrea			
	48,578			
	REGISTRATION NUMBER			

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a. 🔲	A check in the amount of \$ to cover the above	fees is enclosed.		
p. X	Please charge my Deposit Account No. $\frac{03-0172}{1030.00}$ in the amount of \$ $\frac{1030.00}{1000}$ to cover the above fees.			
c. X	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. $03-0172$. A duplicate copy of this sheet is enclosed.			
d. 🔲	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.			
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	,			
SEND A	LL CORRESPONDENCE TO:			
	Customer No. 24024	SIGNATURE		
		Diane H. Dobrea		
		NAME		
		48,578 REGISTRATION NUMBER		
		REGISTRATION NUMBER		

GENERAL POWER OF ATTORNEY

The undersigned applicant(s):

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

hereby	appoints:
1101000	appoint.

nereby appoints.		
Charles B. Lyon	Leonard L. Lewis	John T. Wiedemann
Reg. No. 25,739	Reg. No. 31,176	Reg. No. 28,920
Nenad Pejic	John E. Miller	Tara A. Kastelic
Reg. No. 37,415	Reg. No. 26,206	Reg. No. 35,980
S. Paige Christopher	Brian D. Johnson	Mary E. Golrick
Reg. No. 39,503	Reg. No. 40,665	Reg. No. 34,829
Pamela A. Docherty	Sean T. Moorhead	George R. Hoskins
Reg. No. 40,591	Reg. No. 38,564	Reg. No. 46,780
Warren Haines	William E. Zitelli	Brian E. Kondas
Reg. No. 40,632	Reg. No. 28,551	Reg. No. 40,685
Diane H. Dobrea	Kristin J. Frost	Douglas B. McKnight
Reg. No. 48,578	Reg. No. 50,627	Reg. No. 50,447
Jennifer L. Wick	Paul E. Szabo	Chet J. Bonner
Reg. No. 47,460	Reg. No. 30,429	Reg. No. 51,485
Ryan W. Falk	Sean C. Myers-Payne	Robert R. Lech
Reg. No. 54,090	Reg. No. 42,920	Reg. No. 37,169
Thomas E. O'Connor	Courtney J. Miller	Joan N. Drew
Reg. No. 37,530	Reg. No. 45,366	Reg. No. 52,364
of the firm of:		

of the firm of:

CALFEE, HALTER & GRISWOLD LLP 1400 McDonald Investment Center 800 Superior Avenue

Cleveland, Ohio 44114 Phone: 216-622-8200

xxx as agent ____ as common representative

to act on their behalf before the competent International Authorities in connection with any and all international applications filed by them with the **United States Patent Office** as receiving Office and to make or receive payments on their behalf. Please address all correspondence to Pamela A. Docherty at the above address.

Place: Columbus, OH Date: 3/8/24

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Name: Ellen Purpus

Title: Director, Office for Technology Licensing